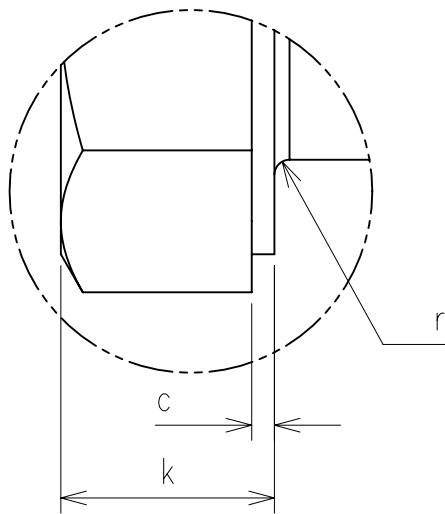
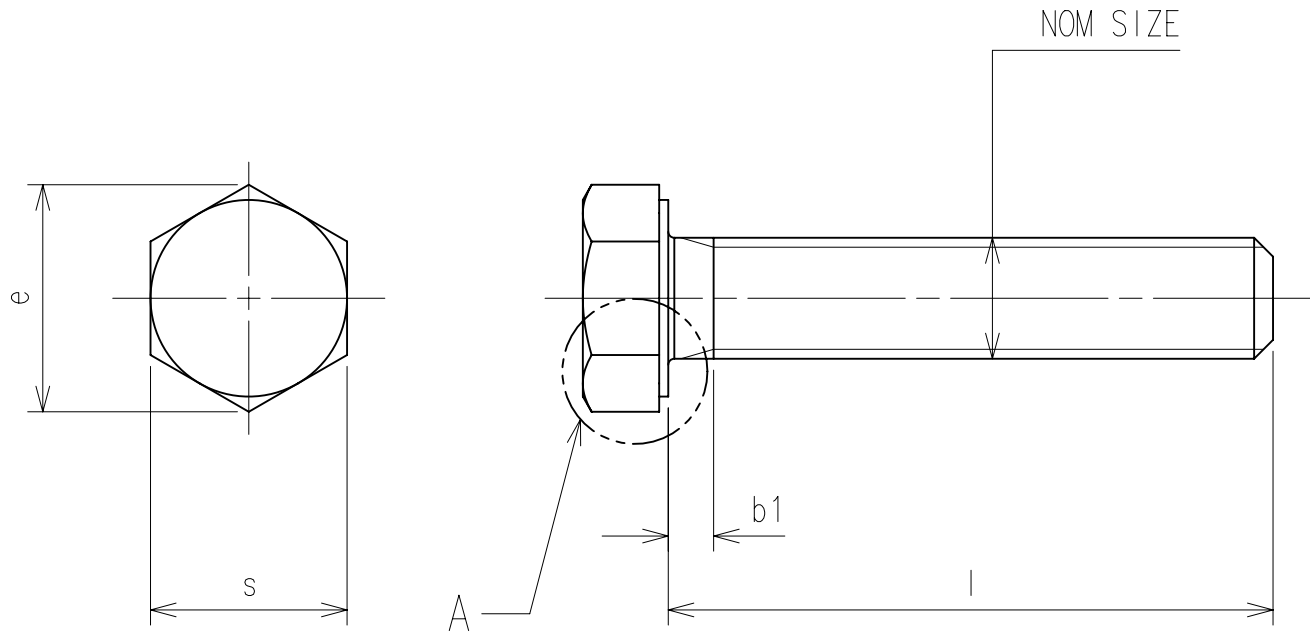


SF0201139

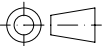
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ECN NO.	C/L	DGNR	ENGR	CAD STD	APPD	DATE	ZONE	REMARK
EN12-08166N	A		.			07-06-2011	.	SF0201139 - NEW RELEASE
			.				.	
NOMINAL SIZE							M10	
PITCH 'p' (mm)							1.50	
UNTHREADED LENGTH MAX 'b1' (mm)							3.00	
THREAD DIRECTION							RIGHT HAND	
WIDTH ACROSS FLAT MAX 's' (mm)							16.00	
WIDTH ACROSS FLAT MIN 's' (mm)							15.73	
WIDTH ACROSS CORNER MIN 'e' (mm)							17.77	
LENGTH 'l' (mm)							20.00	
HEAD THICKNESS MAX 'k' (mm)							6.58	
HEAD THICKNESS MIN 'k' (mm)							6.22	
COLLAR THICKNESS MAX 'c' (mm)							0.60	
FILLET RADIUS MIN 'r' (mm)							0.40	
END TYPE							FLAT POINT	
SELF LOCKING TYPE							-	
MECHANICAL PROPERTY CLASS							8.8	
MATERIAL							STEEL	
SURFACE FINISH							Fe/Zn 8 Tri Black + TC(96wr/240rr)	



DETAIL A
SCALE 5:1

- NOTES :-
- FOR GENERAL TECHNICAL REQUIREMENT REFER M&M STANDARD J-00-0134
 - UNLESS SPECIFIED END POINT DIMENSIONS AS PER ISO 4753
 - UNSPECIFIED GENERAL TOLERANCES AS PER ISO 4759-1, PRODUCT GRADE A
 - SURFACE DISCONTINUITIES AS PER ISO 6157-1 FOR GRADE UPTO 10.9
 - SURFACE DISCONTINUITIES AS PER ISO 6157-3 FOR GRADE 12.9
 - THREAD RUNOUT SHOULD BE AS PER ISO 3508
 - MECHANICAL PROPERTIES AS PER ISO 898-1
 - PART MUST BE FREE FROM DEFECTS OF WORKMANSHIP WHICH MAY AFFECT THE FUNCTION & SERVICEABILITY OF THE PART
 - SUPPLIER MUST COMPLY WITH THE REQUIREMENT OF ELV & HAZARDOUS MATERIAL CONTENT AS SPECIFIED IN M&M STANDARD F-00-1474, AS PER THE MARKET REQUIREMENT.

 MAHINDRA & MAHINDRA LTD. AUTOMOTIVE SECTOR, CHENNAI		APPD		.	.			
		CAD CHK		.	.			
		MATERIAL		.	.			
MATERIAL :- STEEL TO SUIT PROPERTY CLASS		SYMBOLS		TOTAL NO				
		CRITICAL CHARACTERISTICS <CC>		00				
HEAT TREATMENT :- TO SUIT PROPERTY CLASS		SIGNIFICANT CHARACTERISTICS <SC>		00				
		SURFACE FINISH		00				
		ASSOC 3-D MODEL: Y		VER NO.: 00				
SURFACE TREATMENT :- REFER TABLE		ALL DIMENSIONS ARE IN mm.						
		SURFACE FINISH SYMBOLS : ISO 1302						
		WELDING SYMBOLS : IS:813-1986						
SCALE 1:1	DESCRIPTION SCREW HEX M10X1.5X20X8.8				DRG. No.			
					SF0201139			
					SHEET 1 OF 1			
					C/L A			
					A3			